

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001466**Date Inspected:** 26-Mar-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 4AE,OBG 1BE, Miscellaneous Metal**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

OBG 4AE

ZPMC personnel applied "mist" coat on Interfine 979 to exterior surfaces. International Protective coatings technical service representative onsite and monitored mixing and thinning operations as well as spray application.

OBG 1BE

ZPMC re-blasting base metal faying surfaces in proper locations this is the third time the areas of the "U" rib stiffeners have been blasted. Joint three party Inspection with ZPMC QC, ABF QA and Caltrans QA Lumley performed this function. This work was performed outside the blast shop ambient conditions were monitored and were within the requirements of both the contract documents and the coating manufacturers recommendations, profiles ranged from 78-85um. Application of Interzinc 22 began and air-spray was the method of application.

Miscellaneous Metal

Cable rail angle iron base metal surfaces were abrasive blasted to SSPC SP-10 and application of Interzinc 22 was applied utilizing airless spray methods within the paint shop.

**Summary of Conversations:**

No relevant conversations on this date.

**Comments**

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## SOURCE INSPECTION REPORT

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This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, (858) 699-9549, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Lumley,James	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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